

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 October 2003 (16.10.2003)

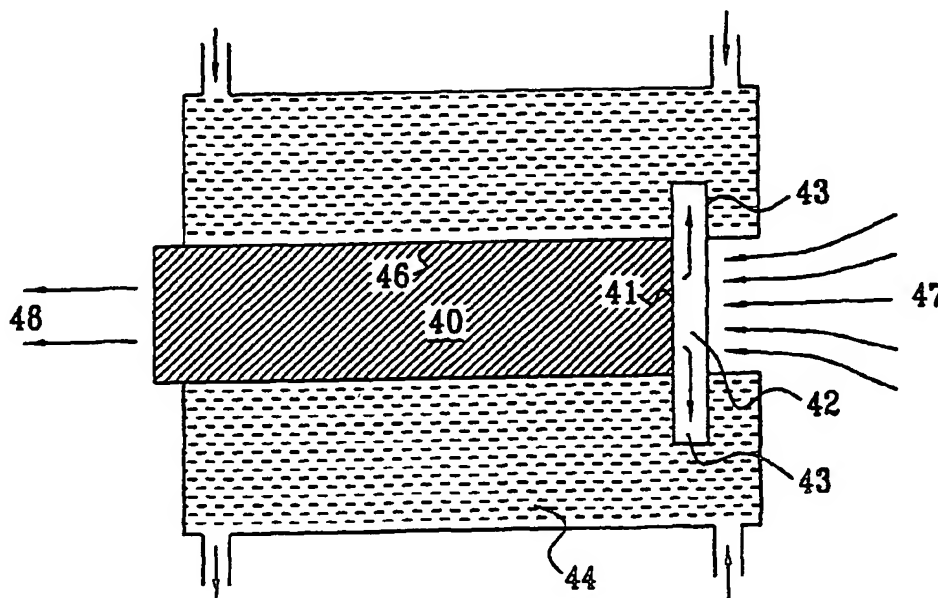
PCT

(10) International Publication Number
WO 03/085789 A1

- (51) International Patent Classification⁷: **H01S 3/0941**, 3/042, 3/07
- (21) International Application Number: **PCT/IL03/00272**
- (22) International Filing Date: **1 April 2003 (01.04.2003)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
149014 **7 April 2002 (07.04.2002) IL**
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- (81) Designated States (national): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.**
- (84) Designated States (regional): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).**
- Published:
— with international search report

[Continued on next page]

(54) Title: **DIAMOND-COOLED SOLID-STATE LASER**



(57) Abstract: A diode-pumped solid state laser, e.g., in a side-pumped or end-pumped configuration, including a lasing medium (30, 40, 62) comprising at least one surface (41) through which the laser is pumped, and at least one diamond plate (32, 42, 64) in thermal contact with the at least one surface (41). In an embodiment a plurality of segments of said lasing medium (62) are disposed in proximity to each other, and said at least one diamond plate (64) is disposed between two adjacent segments, and in thermal contact with said elements.